Physical Technical Testing Institute

Ostrava-Radvanice

(1)

(2)

EC-Type Examination Certificate

Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0034U

(4) Component:: **Explosion proof end module XZ*****

(5) Manufacturer: **GENERI s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech republic**

(7) This Component and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

05/0034 dated 19 December 2006

(9) Compliance with Essential Health and Safety requirements has been assured by compliance with:

EN 60079-0:2004; EN 60079-7:2004; EN 60079-18:2004; EN 50281-1-1:1999

(10) The sign „U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include following:

I M2 / II 2GD Ex e mb I/II

This EC-Type Examination Certificate is valid till: **31.12.2011**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ Ex AO 210 NB 1026

Date of issue: 20.12.2006

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(13) **Schedule**

(14) EC-Type Examination Certificate N° FTZÚ 05 ATEX 0034U

(15) Description of Component:

An explosion proof end module XZ*** is moulded in polyamide with fibreglass reinforced enclosure. The elements are equipped on PC board or are soft-soldered direct on the contacts of end module.

In a front of electronic elements is installed nonreversible temperature fuse with switch off temperature 84°C) which is in compliance with temperature class T6.

Type key – see to Annex No. 1

(16) Report No. : 05/0034 dated 19.12.2006

(17) Schedule of Limitations: $-55\ °C \leq T_{amb} \leq +80\ °C$

(18) Essential Health and Safety Requirements:
Covered by standards mentioned in (9) of this certificate.

(19) LIST OF DOCUMENTATION

- User's manual No. N740055-ATEX dated 01.04.2005
- Drawing No.: G-3-900012 dated 03.01.2005
  G-4-190103_XZ_ATEX dated 21.03.2005

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

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ANNEX N°. 1

to EC-Type Examination Certificate N° FTZÚ 05 ATEX 0034U

TYPE KEY:

X Z . .

Main electric parameter of the end modul for exact type and performance – for example:

230 V	Nominal voltage (at the V and RC component)
100 mA	Nominal current (at the D component)
4k7	Value of resistor (at the R component) etc.

Type of module:

D	Diode
R	Resistance
RC	Capacity and resistor
V	Varistor

Z Mark of end module

X Explosion proof end module

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